ABSTRACT OF THE DISCLOSURE

The present invention provides a gene-targeted, non-human mammal having a gene encoding a mutant protein product of a mutated FAD presenilin-1 (PS-1) gene, a human FAD Swedish mutation, and a humanized Aβ mutation, and generational offspring thereof and a gene-targeted, non-human mammal having a gene encoding a mutant protein product of a mutated FAD PS-1 gene and a human Swedish APP695 mutation, and generational offspring thereof, as well as methods of identifying compounds useful in treating Alzheimer's disease, and to methods of treating Alzheimer's disease.

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